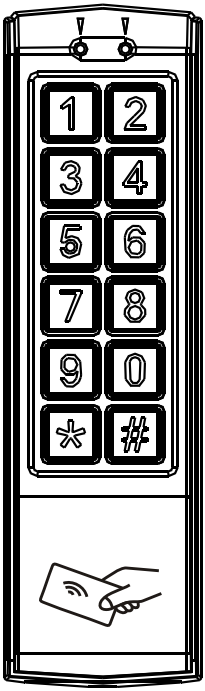
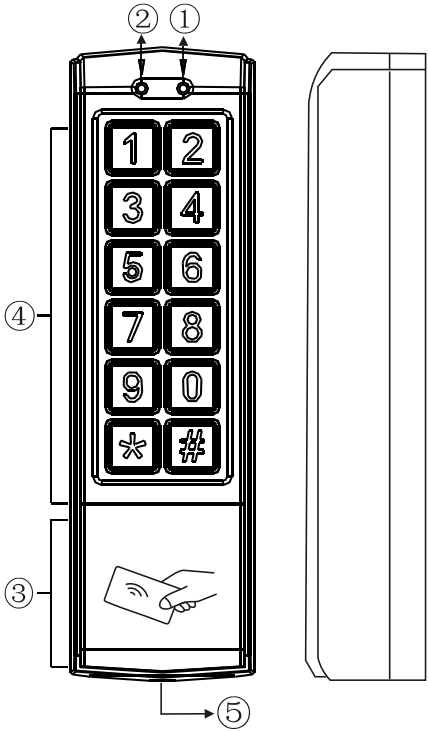
SVT-2100 ACCESS CONTROL KEYPAD/CARD READER (SVT19140)

User Manual



Please read this user manual prior to installing the system, and keep it well for future use.



Mode 12 metallic keypads
unnetworked access control

NO·	Description
①	Mode indicator
②	Door indicator
③	Antenna
④	Matrix keypad
⑤	Case screw

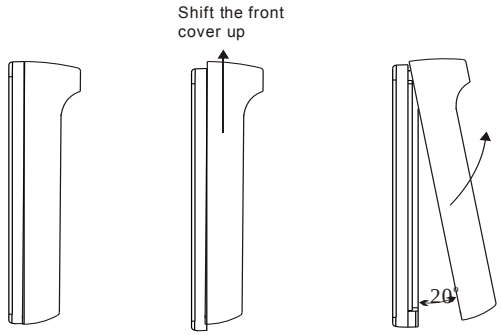
Working conditions:
temperature: -20℃~50℃
RH: ⩽95%
Current and voltage requirements:
DC input: +12V-------15V
standby current: ⩽30mA
working current: ⩽70mA
Applicable card mode: EM ID card
Effective distance: 5cm
ID cards capacity: 1010 PCS

Specifications / Features

1. With internal EM reader.
2. Frequency: 125KHz.
3. Effective distance: 5cm.
4. ZONE 1: up to 1000 passwords&card holders. ZONE 2: up to 10 passwords.
5. Card access, code access and combinedaccess.
6. Digital keypad operation.
7. Built-in pickproof function.
8. Watchdog timer,powerful reboot and self-recovery watchdog can connectwiththe external unlock button.
9. Dual relay outputs.
10. Unlock output delay time: 0~99s.
11. IP Rating:65.
12. Dimension: 44*152*23.5mm.
13. Dual relay outputs for door opening,door status detecting, open door by button..

Installation

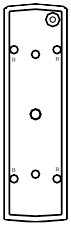
1. Open the cover carefully following the instructions below.
2. Before push out the cover, shift the front cover up for few millimetres (Showed in the picture 2), then following as the picture 3 showed do uplift within the angle range of 20 degrees.
   Then, take the front cover away slightly.

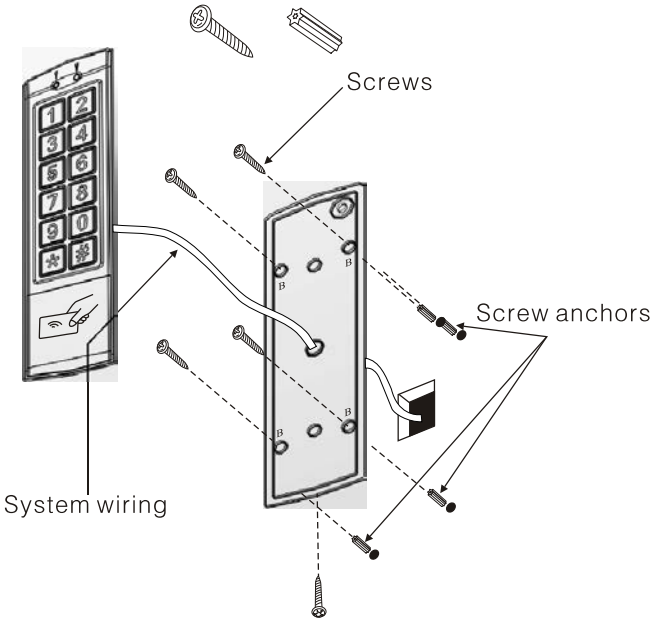


Picture 1 Picture 2 Picture 3

Before installation, position the location where the controller unit is to be mounted, operation according to the following steps:

1. Open the controller by loosening and removing the back case screw at the bottom using the spline tool.
2. Use the provided drilling template accurately locate and drill the required holes, the four drilling holes marked "B".
3. Use the screws provided to mount the back case on the wall, be sure to draw the wiring through the large centre hole in back case, and keep it level.
4. Connected accurately the system wiring as per the label enclosed on the rear.
5. Replace the unit back and screw it on by using the spline tool.





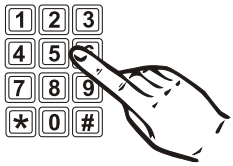
Operation

1. 2 zones relays can be programmed for opening the lock, up to 1000 user cards and correlative codes can be stored into ZONE 1, 10 user cards or codes can be stored into ZONE 2 . In addition the ZONE 1 can be programmed for 3 modes to open the lock: only the card access, both the code and card access, combined access. The ZONE 2 could be programmed for door bell.
2. Default code is 12345.
3. Input the default code twice(12345+12345) to enter the setting mode, mode indicator will turn yellow.

Access mode setting

Enter the setting mode:
Press the button and , the mode indicator will flash yellow, follow the button [0] twice, the mode indicator will turn yellow, a long beep will be heard. It indicates that only the card access is available.
Press the button and , the mode indicator will flash yellow, follow the button [0] and [1], the mode indicator will turn yellow, a long beep will be heard, it indicates that both the card and code access are available.

Press the button [*] and [0], the mode indicator will flash yellow, follow the button [0] and [2], the mode indicator will turn yellow and a long beep will be heard, it indicates that card and code access combined is available.
Press the button [#] to quit the setting mode.



Add the user card and code(ZONE 1).

Enter the setting mode(ZONE1):
Press one number from 000 to 999 (mode indicator will flash yellow, it indicates there is already the data existed if turn red. Clean the data existed at this address by pressing the button [*] twice, the flashing green LED indicates that the user cards and codes are allowed to add), swipe the user card or input the 5-Digit code XXXXX, a long beep will be heard, it indicates that adding success. Repeat the steps as above to add others.
Press the button [#] to quit the setting mode.

Add the user card and code(ZONE 2).

Enter the setting mode(ZONE 2):
Press the button [*] and [4] (mode indicator will flash yellow), press one number from 00 to 09 (mode indicator will flash yellow, it indicates there is already the data existed if turn red. Clean the data existed at this address by pressing the button [*] twice, the flashing green LED indicates that the user cards and codes are allowed to add), swipe the user card or input the 5-Digit code XXXXX, a long beep will be heard, it indicates that adding success. Repeat the steps as above to add others.
Press the button [#] to quit the setting mode.

Set the unlocking time for ZONE 1

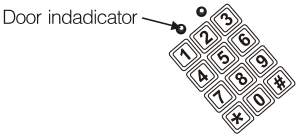
Enter the setting mode.
Press the button [*] and [1] , the mode indicator will flash yellow, follow the number from 00 to 99, the mode indicator will turn yellow in the mean time a long beep will be heard, it indicates a success of delay time setting. 00-99 means the delay time. I.e. 05 means the unlocking time is 5s delayed. If setting lock-time as 00 means: swipe card or input password once open the door, swipe card or input password again close the door.
Press the button [#] to quit the setting mode.

Set the unlocking time for ZONE 2

Enter the setting mode:
Press the button [*] and [5] , the mode indicator will flash yellow, follow the number from 00 to 99, the mode indicator will turn yellow in the mean time a long beep will be heard, it indicates a success of delay time setting. 00-99 means the delay time i.e. 05 means the unlocking time is 5s delayed. If setting lock-time as 00 means: swipe card or input password once open the door, swipe card or input password again close the door.
Press the button [#] to quit the setting mode.

Clean all user cards and codes , restores to factory defaults

Enter the setting mode:
Press the button [*] and [8] (mode indicator will flash yellow), follow the button [8] twice, (a continuous beep will be heard and mode indicator will turn yellow), it indicates all user cards and codes have been cleaned out successfully.
Press the button [*] and [8] (mode indicator will flash yellow), follow the button [9] twice, (a continuous beep will be heard and mode indicator will turn yellow), it indicates it restores to factory defaults.
Press the button [#] to quit the setting mode.
If do operation in a wrong way, it will imply as BI.BI. sounds. The device would turn back without actions in 30s automatically accompany with BI.BI. sounds. If in the access mode as card and password entry in, just did one of actions(input password or swipe or swipe the card), it will turn back in 5s automatically accompany with BI.BI. sounds.



A. When ZONE 1 relay actived, door indicator will turn green.
B. When ZONE 2 relay actived, door indicator will turn red.

If forgot the password, shut off the power and press [#], then turn on the power After BI--- sounds, the password default back as 12345.
(Notice:DH16A-20DT should be shut off first, the turn on power, then press the [#] in 3s).
After BI--- sounds, the password default back as 12345.

The pickproof alarm

The built-in buzzer will sent a continuous beeping if the photoresistor sensor is directly exposed into the light. The buzzer will off automatically in 60s, the light is no longer detected by enter the admin code.

Modify administrator code

Enter the setting mode:
Press the button [*] and [3] (mode indicator will flash yellow) and input new 5-digital codes XXXXX and repeat it once again.
Press the button [#] to quit the setting mode.

Turn on/off the pickproof alarm

Enter the setting mode:
Press the button [*] and [6] (mode indicator will flash yellow), then following enter the [0] and [1], a long beep will be heard whilst the mode indicator will turn yellow, pickproof alarm is turned off.
Press the button [*] and [6] (mode indicator will flash yellow), then following enter the [0] and [2], a long beep will be heard whilst the mode indicator will turn yellow, pickproof alarm is turned on.
Press the button [#] to quit the setting mode.

Turn on/off the Door Bell

Enter the setting mode:
Press the button [*] and [2] (mode indicator will flash yellow), then following enter the [0] and [1], a long beep will be heard whilst the mode indicator will turn yellow, the function of door bell is turned off.
Press the button [*] and [2] (mode indicator will flash yellow), then following enter the [0] and [2], a long beep will be heard whilst the mode indicator will turn yellow, the function of door bell is turned on.
Press the button [#] to quit the setting mode.
The relay in ZONE 2 for door bell is available if the function of door bell is turned on but the function of door lock is not available. Press the button [*] in standby mode, the relay contacts one time, the door bell ringing is triggered.

Add the master card(only useful for zone 1)

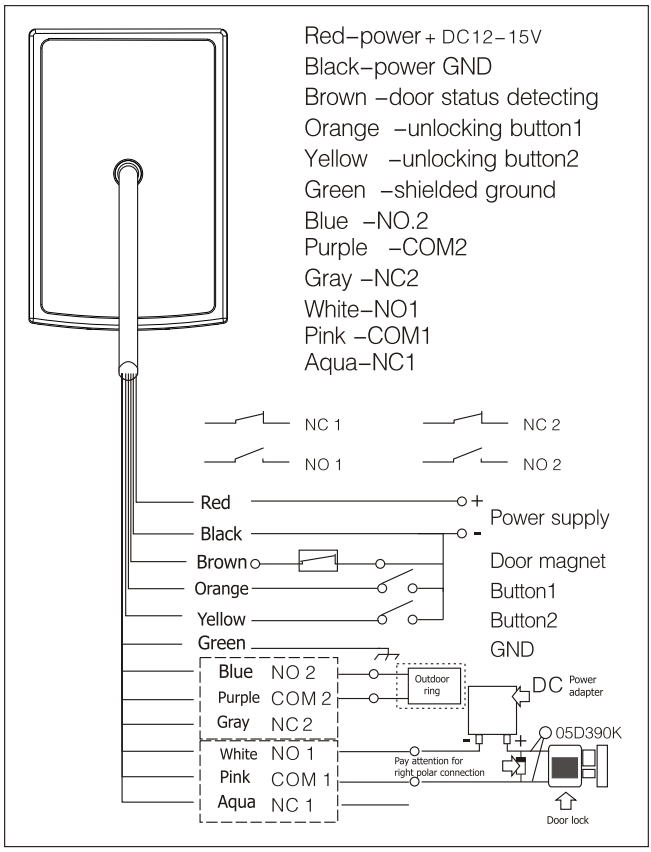
Enter the setting mode:
Press the button [*] and [7], the mode indicator will flash green, it indicates there is no master card stored, if the indicator turns red, it indicates there is already data existed, press the button [*] twice to clean out the data, and then indicator will flash green, swipe the master card, a long beep will be heard, it indicates that adding success.
Press the button [#] to quit the setting mode.

Using the master card enter the setting mode

Swipe the master card, the indicator will flash yellow whilst a long beep will be heard, enter the setting mode. Swipe the master card again, the indicator will turn green whilst three times rapid beep will be heard, quit the setting mode.
The access control will be locked for 60s if the mistaken code continuously input or swipe the invalid card for 5 times, both the keypad operating and the card swiping is not available.
Detect the door status: when someone opens the door and comes in, the door is closed, the system will automatically detect the door status and lock the door even though the it is still delay period.

NOTE: The user code must be different from the administration code.
The code of ZONE 1 must be different from that of ZONE2.

Wiring Diagram



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